

## HAZARDOUS WASTE MANAGEMENT

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F038	Petroleum refinery secondary (emulsified) oil/water/solids separation sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air floatation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in Rule 1200-1-11-.02(4)(b)2(ii) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological units) and F037, K048, and K051 are not included in this listing.	Benzene	71-43-2	0.14	10
	Benzo(a)pyrene	50-32-8	0.061	3.4	
	bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28	
	Chrysene	218-01-9	0.059	3.4	
	Di-n-butyl phthalate	84-74-2	0.057	28	

	Ethylbenzene	100-41-4	0.057	10	D
	Fluorene	86-73-7	0.059	NA	R
	Naphthalene	91-20-3	0.059	5.6	A
	Phenanthrene	85-01-8	0.059	5.6	F
	Phenol	108-95-2	0.039	6.2	T
	Pyrene	129-00-0	0.067	8.2	
	Toluene	108-88-3	0.080	10	
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30	
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP	
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590	
	Lead	7439-92-1	0.69	NA	
	Nickel	7440-02-0	NA	11 mg/l TCLP	
F039	Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under paragraph (3) of this Rule. (Leachate resulting from the disposal of one or more of the following Hazardous Wastes and no other Hazardous Wastes retains its Hazardous Waste Code(s): F020, F021, F022, F026, F027, and/or F028.).	Acenaphthylene	208-96-8	0.059	3.4

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Acenaphthene	83-32-9	0.059	3.4
Acetone	67-64-1	0.28	160
Acetonitrile	75-05-8	5.6	NA
Acetophenone	96-86-2	0.010	9.7
2-Acetylaminofluorene	53-96-3	0.059	140
Acrolein	107-02-8	0.29	NA
Acrylonitrile	107-13-1	0.24	84
Aldrin	309-00-2	0.021	0.066
4-Aminobiphenyl	92-67-1	0.13	NA
Aniline	62-53-3	0.81	14
Anthracene	120-12-7	0.059	3.4
Aramite	140-57-8	0.36	NA
alpha-BHC	319-84-6	0.00014	0.066
beta-BHC	319-85-7	0.00014	0.066
delta-BHC	319-86-8	0.023	0.066
gamma-BHC	58-89-9	0.0017	0.066
Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4

	Benzo(b)fluor-anthene (difficult to distinguish from benzo(k)fluor-anthene)	205-99-2	0.11	6.8
	Benzo(k)fluor-anthene (difficult to distinguish from benzo(b)fluor-anthene)	207-08-9	0.11	6.8
	Benzo(g,h,i)-perylene	191-24-2	0.0055	1.8
	Benzo(a)pyrene	50-32-8	0.061	3.4
	Bromodichloro-methane	75-27-4	0.35	15
	Methyl bromide (Bromomethane)	74-83-9	0.11	15
	4-Bromophenyl phenyl ether	101-55-3	0.055	15
	n-Butyl alcohol	71-36-3	5.6	2.6
	Butyl benzyl phthalate	85-68-7	0.017	28
	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	2.5
	Carbon disulfide	75-15-0	3.8	NA
	Carbon tetrachloride	56-23-5	0.057	6.0
	Chlordane (alpha and gamma isomers)	57-74-9	0.0033	0.26
	p-Chloroaniline	106-47-8	0.46	16
	Chlorobenzene	108-90-7	0.057	6.0

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	Chlorobenzilate	510-15-6	0.10	NA	<b>R</b>
	2-Chloro-1,3-butadiene	126-99-8	0.057	NA	<b>A</b>
	Chlorodibromo-methane	124-48-1	0.057	15	<b>F</b>
	Chloroethane	75-00-3	0.27	6.0	<b>T</b>
	bis(2-Chloroethoxy)-methane	111-91-1	0.036	7.2	
	bis(2-Chloroethyl)ether	111-44-4	0.033	6.0	
	Chloroform	67-66-3	0.046	6.0	
	bis(2-Chloroisopropyl)-ether	39638-32-9	0.055	7.2	
	p-Chloro-m-cresol	59-50-7	0.018	14	
	Chloromethane (Methyl chloride)	74-87-3	0.19	30	
	2-Chloronaphthalene	91-58-7	0.055	5.6	
	2-Chlorophenol	95-57-8	0.044	5.7	
	3-Chloropropylene	107-05-1	0.036	30	
	Chrysene	218-01-9	0.059	3.4	
	o-Cresol	95-48-7	0.11	5.6	
	m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77	5.6	

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	p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77	5.6	<b>R</b>
	Cyclohexanone	108-94-1	0.36	NA	<b>F</b>
	1,2-Dibromo-3-chloropropane	96-12-8	0.11	15	<b>T</b>
	Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15	
	Dibromomethane	74-95-3	0.11	15	
	2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	0.72	10	
	o,p'-DDD	53-19-0	0.023	0.087	
	p,p'-DDD	72-54-8	0.023	0.087	
	o,p'-DDE	3424-82-6	0.031	0.087	
	p,p'-DDE	72-55-9	0.031	0.087	
	o,p'-DDT	789-02-6	0.0039	0.087	
	p,p'-DDT	50-29-3	0.0039	0.087	
	Dibenz(a,h)-anthracene	53-70-3	0.055	8.2	
	Dibenz(a,e)pyrene	192-65-4	0.061	NA	
	m-Dichlorobenzene	541-73-1	0.036	6.0	
	o-Dichlorobenzene	95-50-1	0.088	6.0	
	p-Dichlorobenzene	106-46-7	0.090	6.0	

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Dichlorodifluoromethane	75-71-8	0.23	7.2
1,1-Dichloroethane	75-34-3	0.059	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
1,1-Dichloroethylene	75-35-4	0.025	6.0
trans-1,2-Dichloroethylene	156-60-5	0.054	30
2,4-Dichlorophenol	120-83-2	0.044	14
2,6-Dichlorophenol	87-65-0	0.044	14
1,2-Dichloropropane	78-87-5	0.85	18
cis-1,3-Dichloropropylene	100-61-01-5	0.036	18
trans-1,3-Dichloropropylene	100-61-02-6	0.036	18
Dieldrin	60-57-1	0.017	0.13
Diethyl phthalate	84-66-2	0.20	28
2-4-Dimethylphenol	105-67-9	0.036	14
Dimethyl phthalate	131-11-3	0.047	28
Di-n-butyl phthalate	84-74-2	0.057	28
1,4-Dinitrobenzene	100-25-4	0.32	2.3
4,6-Dinitro-o-cresol	534-52-1	0.28	160
2,4-Dinitrophenol	51-28-5	0.12	160

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2,4-Dinitrotoluene	121-14-2	0.32	140
2,6-Dinitrotoluene	606-20-2	0.55	28
Di-n-octyl phthalate	117-84-0	0.017	28
Di-n-propylnitrosamine	621-64-7	0.40	14
1,4-Dioxane	123-91-1	12.0	170
Diphenylamine (difficult to distinguish from diphenylnitro- samine)	122-39-4	0.92	NA
Diphenylnitro- samine (difficult to distinguish from diphenylamine)	86-30-6	0.92	NA
1,2- Diphenylhydrazine	122-66-7	0.087	NA
Disulfoton	298-04-4	0.017	6.2
Endosulfan I	939-98-8	0.023	0.066
Endosulfan II	33213-6-5	0.029	0.13
Endosulfan sulfate	1031-07-8	0.029	0.13
Endrin	72-20-8	0.0028	0.13
Endrin aldehyde	7421-93-4	0.025	0.13
Ethyl acetate	141-78-6	0.34	33
Ethyl cyanide (Propanenitrile)	107-12-0	0.24	360

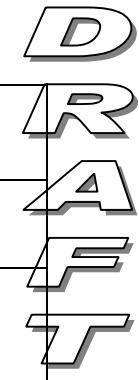
	Ethyl benzene	100-41-4	0.057	10
	Ethyl ether	60-29-7	0.12	160
	bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
	Ethyl methacrylate	97-63-2	0.14	160
	Ethylene oxide	75-21-8	0.12	NA
	Famphur	52-85-7	0.017	15
	Fluoranthene	206-44-0	0.068	3.4
	Fluorene	86-73-7	0.059	3.4
	Heptachlor	76-44-8	0.0012	0.066
	Heptachlor epoxide	1024-57-3	0.016	0.066
	1, 2, 3, 4, 6, 7, 8-Heptachlorodibenzo-p-dioxin (1, 2, 3, 4, 6, 7, 8-HpCDD)	35822-46-9	0.000035	0.0025
	1, 2, 3, 4, 6, 7, 8-Heptachlorodibenzofuran (1, 2, 3, 4, 6, 7, 8-HpCDF)	67562-39-4	0.000035	0.0025
	1, 2, 3, 4, 7, 8, 9-Heptachlorodibenzofuran (1, 2, 3, 4, 7, 8, 9-HpCDF)	55673-89-7	0.000035	0.0025
	Hexachlorobenzene	118-74-1	0.055	10
	Hexachlorobutadiene	87-68-3	0.055	5.6
	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
	HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001

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HxCDFs (All Hexachloro-dibenzofurans)	NA	0.000063	0.001
Hexachloroethane	67-72-1	0.055	30
Hexachloro--propylene	1888-71-7	0.035	30
Indeno (1,2,3-c,d) pyrene	193-39-5	0.0055	3.4
Iodomethane	74-88-4	0.19	65
Isobutyl alcohol	78-83-1	5.6	170
Isodrin	465-73-6	0.021	0.066
Isosafrole	120-58-1	0.081	2.6
Kepone	143-50-8	0.0011	0.13
Methacrylonitrile	126-98-7	0.24	84
Methanol	67-56-1	5.6	NA
Methapyrilenone	91-80-5	0.081	1.5
Methoxychlor	72-43-5	0.25	0.18
3-Methylchol-anthrene	56-49-5	0.0055	15
4,4-Methylene bis(2-chloroaniline)	101-14-4	0.50	30
Methylene chloride	75-09-2	0.089	30
Methyl ethyl ketone	78-93-3	0.28	36
Methyl isobutyl ketone	108-10-1	0.14	33

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Methyl methacrylate	80-62-6	0.14	160
Methyl methansulfonate	66-27-3	0.018	NA
Methyl parathion	298-00-0	0.014	4.6
Naphthalene	91-20-3	0.059	5.6
2-Naphthylamine	91-59-8	0.52	NA
p-Nitroaniline	100-01-6	0.028	28
Nitrobenzene	98-95-3	0.068	14
5-Nitro-o-toluidine	99-55-8	0.32	28
p-Nitrophenol	100-02-7	0.12	29
N-Nitrosodiethylamine	55-18-5	0.40	28
N-Nitro-sodimethylamine	62-75-9	0.40	NA
N-Nitroso-di-n-butylamine	924-16-3	0.40	17
N-Nitro-somethylethylamine	10595-95-6	0.40	2.3
N-Nitrosomorpholine	59-89-2	0.40	2.3
N-Nitrosopiperidine	100-75-4	0.013	35
N-Nitrosopyrrolidine	930-55-2	0.013	35
1, 2, 3, 4, 6, 7, 8, 9-Octachlorodibenz-p-dioxin (OCDD)	3268-87-9	0.000063	0.0025



	1, 2, 3, 4, 6, 7, 8, 9-Octachlorodibenzofuran(OCDF)	39001-02-0	0.000063	0.005
	Parathion	56-38-2	0.014	4.6
	Total PCBs (sum of all PCB isomers, or all Aroclors)	1336-36-3	0.10	10
	Pentachloro-benzene	608-93-5	0.055	10
	PeCDDs (All Pentachloro-dibenzo-p-dioxins)	NA	0.000063	0.001
	PeCDFs (All Pentachloro-dibenzofurans)	NA	0.000035	0.001
	Pentachloro-nitrobenzene	82-68-8	0.055	4.8
	Pentachlorophenol	87-86-5	0.089	7.4
	Phenacetin	62-44-2	0.081	16
	Phenanthrene	85-01-8	0.059	5.6
	Phenol	108-95-2	0.039	6.2
	Phorate	298-02-2	0.021	4.6
	Phthalic anhydride	85-44-9	0.055	NA
	Pronamide	23950-58-5	0.093	1.5
	Pyrene	129-00-0	0.067	8.2
	Pyridine	110-86-1	0.014	16
	Safrole	94-59-7	0.081	22

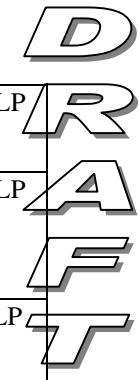
Silvex (2,4,5-TP)	93-72-1	0.72	7.9
2,4,5-T	93-76-5	0.72	7.9
1,2,4,5-Tetrachloro-benzene	95-94-3	0.055	14
TCDDs (All Tetrachlorodibenzo-p-dioxins)	NA	0.000063	0.001
TCDFs (All Tetrachlorodibenzo-furans)	NA	0.000063	0.001
1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
Toluene	108-88-3	0.080	10
Toxaphene	8001-35-2	0.0095	2.6
Bromoform (Tribromomethane)	75-25-2	0.63	15
1,2,4-Trichlorobenzene	120-82-1	0.055	19
1,1,1-Trichloroethane	71-55-6	0.054	6.0
1,1,2-Trichloroethane	79-00-5	0.054	6.0
Trichloroethylene	79-01-6	0.054	6.0



	Trichloromonofluoromethane	75-69-4	0.020	30
	2,4,5-Trichlorophenol	95-95-4	0.18	7.4
	2,4,6-Trichlorophenol	88-06-2	0.035	7.4
	1,2,3-Trichloropropane	96-18-4	0.85	30
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.057	30
	tris(2,3-Dibromopropyl)phosphate	126-72-7	0.11	NA
	Vinyl chloride	75-01-4	0.27	6.0
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
	Antimony	7440-36-0	1.9	1.15 mg/l TCLP
	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
	Barium	7440-39-3	1.2	21 mg/l TCLP
	Beryllium	7440-41-7	0.82	NA
	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	NA
	Fluoride	16964-48-8	35	NA

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	Lead	7439-92-1	0.69	0.75 mg/l TCLP	<b>R</b>
	Mercury	7439-97-6	0.15	0.025 mg/l TCLP	<b>A</b>
	Nickel	7440-02-0	3.98	11 mg/l TCLP	<b>F</b>
	Selenium	7782-49-2	0.82	5.7 mg/l TCLP	<b>T</b>
	Silver	7440-22-4	0.43	0.14 mg/l TCLP	
	Sulfide	8496-25-8	14	NA	
	Thallium	7440-28-0	1.4	NA	
	Vanadium	7440-62-2	4.3	NA	
K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.	Naphthalene	91-20-3	0.059	5.6
		Pentachlorophenol	87-86-5	0.089	7.4
		Phenanthrene	85-01-8	0.059	5.6
		Pyrene	129-00-0	0.067	8.2
		Toluene	108-88-3	0.080	10
		Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP



		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K003	Wastewater treatment sludge from the production of molybdate orange pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K004	Wastewater treatment sludge from the production of zinc yellow pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K005	Wastewater treatment sludge from the production of chrome green pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous).	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
	Wastewater treatment sludge from the production of chrome oxide green pigments (hydrated).	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	NA
K007	Wastewater treatment sludge from the production of iron blue pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590

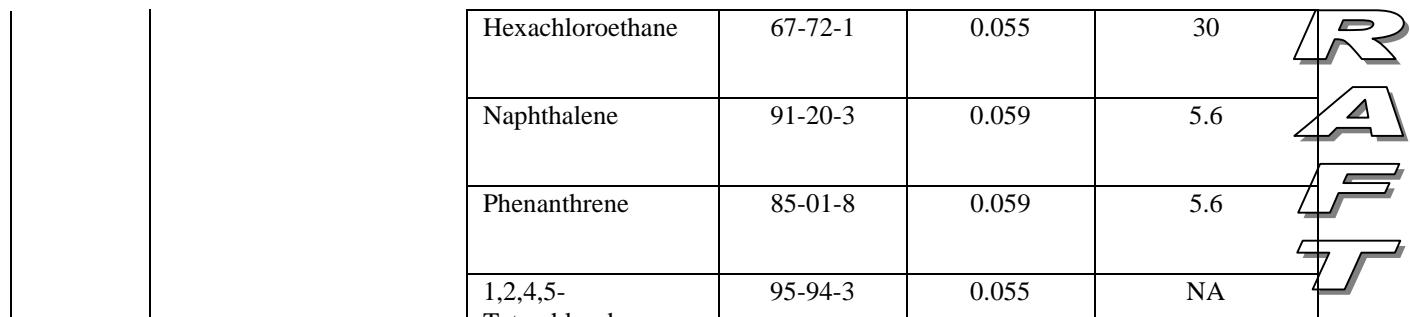


K008	Oven residue from the production of chrome oxide green pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K009	Distillation bottoms from the production of acetaldehyde from ethylene.	Chloroform	67-66-3	0.046	6.0
K010	Distillation side cuts from the production of acetaldehyde from ethylene.	Chloroform	67-66-3	0.046	6.0
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile.	Acetonitrile	75-05-8	5.6	38
		Acrylonitrile	107-13-1	0.24	84
		Acrylamide	79-06-1	19	23
		Benzene	71-43-2	0.14	10
		Cyanide (Total)	57-12-5	1.2	590
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile.	Acetonitrile	75-05-8	5.6	38
		Acrylonitrile	107-13-1	0.24	84
		Acrylamide	79-06-1	19	23
		Benzene	71-43-2	0.14	10
		Cyanide (Total)	57-12-5	1.2	590
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile.	Acetonitrile	75-05-8	5.6	38
		Acrylonitrile	107-13-1	0.24	84
		Acrylamide	79-06-1	19	23

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		Benzene	71-43-2	0.14	10	<b>R</b>
		Cyanide (Total)	57-12-5	1.2	590	<b>A</b>
K015	Still bottoms from the distillation of benzyl chloride.	Anthracene	120-12-7	0.059	3.4	<b>F</b>
		Benzal chloride	98-87-3	0.055	6.0	<b>T</b>
		Benzo(b)fluor-anthene (difficult to distinguish from benzo(k)fluor-anthene)	205-99-2	0.11	6.8	
		Benzo(k)fluor-anthene (difficult to distinguish from benzo(b)fluor-anthene)	207-08-9	0.11	6.8	
		Phenanthrene	85-01-8	0.059	5.6	
		Toluene	108-88-3	0.080	10	
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP	
		Nickel	7440-02-0	3.98	11 mg/l TCLP	
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.	Hexachlorobenzene	118-74-1	0.055	10	
		Hexachloro-butadiene	87-68-3	0.055	5.6	
		Hexachloro-cyclopentadiene	77-47-4	0.057	2.4	
		Hexachloroethane	67-72-1	0.055	30	
		Tetrachloroethylene	127-18-4	0.056	6.0	

K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.	bis(2-Chloroethyl)ether	111-44-4	0.033	6.0	
		1,2-Dichloropropane	78-87-5	0.85	18	
		1,2,3-Trichloropropane	96-18-4	0.85	30	
K018	Heavy ends from the fractionation column in ethyl chloride production.	Chloroethane	75-00-3	0.27	6.0	
		Chloromethane	74-87-3	0.19	NA	
		1,1-Dichloroethane	75-34-3	0.059	6.0	
		1,2-Dichloroethane	107-06-2	0.21	6.0	
		Hexachlorobenzene	118-74-1	0.055	10	
		Hexachlorobutadiene	87-68-3	0.055	5.6	
		Hexachloroethane	67-72-1	0.055	30	
		Pentachloroethane	76-01-7	NA	6.0	
		1,1,1-Trichloroethane	71-55-6	0.054	6.0	
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.	bis(2-Chloroethyl)ether	111-44-4	0.033	6.0	
		Chlorobenzene	108-90-7	0.057	6.0	
		Chloroform	67-66-3	0.046	6.0	
		p-Dichlorobenzene	106-46-7	0.090	NA	
		1,2-Dichloroethane	107-06-2	0.21	6.0	
		Fluorene	86-73-7	0.059	NA	



		Hexachloroethane	67-72-1	0.055	30
		Naphthalene	91-20-3	0.059	5.6
		Phenanthrene	85-01-8	0.059	5.6
		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	NA
		Tetrachloroethylene	127-18-4	0.056	6.0
		1,2,4-Trichlorobenzene	120-82-1	0.055	19
		1,1,1-Trichloroethane	71-55-6	0.054	6.0
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.	1,2-Dichloroethane	107-06-2	0.21	6.0
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
		Tetrachloroethylene	127-18-4	0.056	6.0
K021	Aqueous spent antimony catalyst waste from fluoromethanes production.	Carbon tetrachloride	56-23-5	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Antimony	7440-36-0	1.9	1.15 mg/l TCLP
K022	Distillation bottom tars from the production of phenol/acetone from cumene.	Toluene	108-88-3	0.080	10
		Acetophenone	96-86-2	0.010	9.7
		Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	13

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		Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13
		Phenol	108-95-2	0.039	6.2
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
		Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
		Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.	NA	NA	LLEXT fb SSTRP fb CARBN; or CMBST	CMBST
K026	Stripping still tails from the production of methyl ethyl pyridines.	NA	NA	CMBST	CMBST



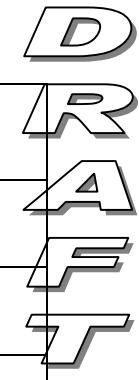
K027	Centrifuge and distillation residues from toluene diisocyanate production.	NA	NA	CARBN; or CMBST	CMBST
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.	1,1-Dichloroethane	75-34-3	0.059	6.0
		trans-1,2-Dichloroethylene	156-60-5	0.054	30
		Hexachlorobutadiene	87-68-3	0.055	5.6
		Hexachloroethane	67-72-1	0.055	30
		Pentachloroethane	76-01-7	NA	6.0
		1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
		Tetrachloroethylene	127-18-4	0.056	6.0
		1,1,1-Trichloroethane	71-55-6	0.054	6.0
		1,1,2-Trichloroethane	79-00-5	0.054	6.0
		Cadmium	7440-43-9	0.69	NA
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.	Chloroform	67-66-3	0.046	6.0
		1,2-Dichloroethane	107-06-2	0.21	6.0

		1,1-Dichloroethylene	75-35-4	0.025	6.0	    
		1,1,1-Trichloroethane	71-55-6	0.054	6.0	
		Vinyl chloride	75-01-4	0.27	6.0	
K030	Column bodies or heavy ends from the combined production of trichloroethylene and perchloroethylene.	o-Dichlorobenzene	95-50-1	0.088	NA	
		p-Dichlorobenzene	106-46-7	0.090	NA	
		Hexachlorobutadiene	87-68-3	0.055	5.6	
		Hexachloroethane	67-72-1	0.055	30	
		Hexachloropropylene	1888-71-7	NA	30	
		Pentachlorobenzene	608-93-5	NA	10	
		Pentachloroethane	76-01-7	NA	6.0	
		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14	
		Tetrachloroethylene	127-18-4	0.056	6.0	
		1,2,4-Trichlorobenzene	120-82-1	0.055	19	
K031	By-product salts generated in the production of MSMA and cacodylic acid.	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP	
K032	Wastewater treatment sludge from the production of chlordane.	Hexachlorocyclopentadiene	77-47-4	0.057	2.4	
		Chlordane (alpha and gamma isomers)	57-74-9	0.0033	0.26	
		Heptachlor	76-44-8	0.0012	0.066	



		Heptachlor epoxide	1024-57-3	0.016	0.066
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
K035	Wastewater treatment sludges generated in the production of creosote.	Acenaphthene	83-32-9	NA	3.4
		Anthracene	120-12-7	NA	3.4
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Chrysene	218-01-9	0.059	3.4
		o-Cresol	95-48-7	0.11	5.6
		m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77	5.6
		p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77	5.6
		Dibenz(a,h)-anthracene	53-70-3	NA	8.2
		Fluoranthene	206-44-0	0.068	3.4
		Fluorene	86-73-7	NA	3.4
		Indeno(1,2,3-cd)pyrene	193-39-5	NA	3.4
		Naphthalene	91-20-3	0.059	5.6

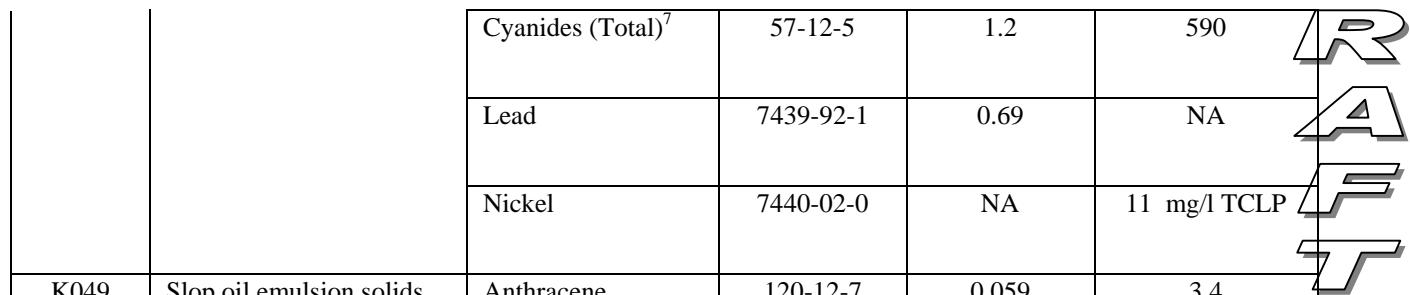
		Phenanthrene	85-01-8	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Pyrene	129-00-0	0.067	8.2
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton.	Disulfoton	298-04-4	0.017	6.2
K037	Wastewater treatment sludges from the production of disulfoton.	Disulfoton	298-04-4	0.017	6.2
		Toluene	108-88-3	0.080	10
K038	Wastewater from the washing and stripping of phorate production.	Phorate	298-02-2	0.021	4.6
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.	NA	NA	CARBN; or CMBST	CMBST
K040	Wastewater treatment sludge from the production of phorate.	Phorate	298-02-2	0.021	4.6
K041	Wastewater treatment sludge from the production of toxaphene.	Toxaphene	8001-35-2	0.0095	2.6
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	o-Dichlorobenzene	95-50-1	0.088	6.0
		p-Dichlorobenzene	106-46-7	0.090	6.0
		Pentachlorobenzene	608-93-5	0.055	10
		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
		1,2,4-Trichlorobenzene	120-82-1	0.055	19



K043	2,6-Dichlorophenol waste from the production of 2,4-D.	2,4-Dichlorophenol	120-83-2	0.044	14
		2,6-Dichlorophenol	187-65-0	0.044	14
		2,4,5-Trichlorophenol	95-95-4	0.18	7.4
		2,4,6-Trichlorophenol	88-06-2	0.035	7.4
		2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
		Pentachlorophenol	87-86-5	0.089	7.4
		Tetrachloroethylene	127-18-4	0.056	6.0
		HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		HxCDFs (All Hexachlorodibenzofurans)	NA	0.000063	0.001
		PeCDDs (All Pentachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		PeCDFs (All Pentachlorodibenzofurans)	NA	0.000035	0.001
		TCDDs (All Tetrachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		TCDFs (All Tetrachlorodibenzofurans)	NA	0.000063	0.001
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.	NA	NA	DEACT	DEACT
K045	Spent carbon from the treatment of wastewater containing explosives.	NA	NA	DEACT	DEACT

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K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.	Lead	7439-92-1	0.69	0.75 mg/l TCLP
K047	Pink/red water from TNT operations	NA	NA	DEACT	DEACT
K048	Dissolved air flotation (DAF) float from the petroleum refining industry.	Benzene	71-43-2	0.14	10
		Benzo(a)pyrene	50-32-8	0.061	3.4
		bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
		Chrysene	218-01-9	0.059	3.4
		Di-n-butyl phthalate	84-74-2	0.057	28
		Ethylbenzene	100-41-4	0.057	10
		Fluorene	86-73-7	0.059	NA
		Naphthalene	91-20-3	0.059	5.6
		Phenanthrene	85-01-8	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Pyrene	129-00-0	0.067	8.2
		Toluene	108-88-33	0.080	10
		Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP



		Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
		Lead	7439-92-1	0.69	NA
		Nickel	7440-02-0	NA	11 mg/l TCLP
K049	Slop oil emulsion solids from the petroleum refining industry.	Anthracene	120-12-7	0.059	3.4
		Benzene	71-43-2	0.14	10
		Benzo(a)pyrene	50-32-8	0.061	3.4
		bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
		Carbon disulfide	75-15-0	3.8	NA
		Chrysene	2218-01-9	0.059	3.4
		2,4-Dimethylphenol	105-67-9	0.036	NA
		Ethylbenzene	100-41-4	0.057	10
		Naphthalene	91-20-3	0.059	5.6
		Phenanthrene	85-01-8	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Pyrene	129-00-0	0.067	8.2
		Toluene	108-88-3	0.080	10
		Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30

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		Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590	<b>R</b>
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP	<b>A</b>
		Lead	7439-92-1	0.69	NA	<b>F</b>
		Nickel	7440-02-0	NA	11 mg/l TCLP	<b>T</b>
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.	Benzo(a)pyrene	50-32-8	0.061	3.4	
		Phenol	108-95-2	0.039	6.2	
		Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590	
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP	
		Lead	7439-92-1	0.69	NA	
		Nickel	7440-02-0	NA	11 mg/l TCLP	
K051	API separator sludge from the petroleum refining industry.	Acenaphthene	83-32-9	0.059	NA	
		Anthracene	120-12-7	0.059	3.4	
		Benz(a)anthracene	56-55-3	0.059	3.4	
		Benzene	71-43-2	0.14	10	
		Benzo(a)pyrene	50-32-8	0.061	3.4	
		bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28	
		Chrysene	2218-01-9	0.059	3.4	
		Di-n-butyl phthalate	105-67-9	0.057	28	

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	Ethylbenzene	100-41-4	0.057	10
	Fluorene	86-73-7	0.059	NA
	Naphthalene	91-20-3	0.059	5.6
	Phenanthrene	85-01-8	0.059	5.6
	Phenol	108-95-2	0.039	6.2
	Pyrene	129-00-0	0.067	8.2
	Toluene	108-88-3	0.08	10
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Lead	7439-92-1	0.69	NA
	Nickel	7440-02-0	NA	11 mg/l TCLP
K052	Tank bottoms (leaded) from the petroleum refining industry.	Benzene	71-43-2	0.14
		Benzo(a)pyrene	50-32-8	0.061
		o-Cresol	95-48-7	0.11
		m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77

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	p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77	5.6	<b>R</b>
	2,4-Dimethylphenol	105-67-9	0.036	NA	<b>F</b>
	Ethylbenzene	100-41-4	0.057	10	<b>T</b>
	Naphthalene	91-20-3	0.059	5.6	
	Phenanthrene	85-01-8	0.059	5.6	
	Phenol	108-95-2	0.039	6.2	
	Toluene	108-88-3	0.08	10	
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30	
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP	
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590	
	Lead	7439-92-1	0.69	NA	
	Nickel	7440-02-0	NA	11 mg/l TCLP	
K060	Ammonia still lime sludge from coking operations.	Benzene	0.14	10	
		Benzo(a)pyrene	0.061	3.4	
		Naphthalene	0.059	5.6	
		Phenol	0.039	6.2	
		Cyanides (Total) <sup>7</sup>	1.2	590	



K061	Emission control dust/sludge from the primary production of steel in electric furnaces.	Antimony	7440-36-0	NA	1.15 mg/l TCLP
		Arsenic	7440-38-2	NA	5.0 mg/l TCLP
		Barium	7440-39-3	NA	21 mg/l TCLP
		Beryllium	7440-41-7	NA	1.22 mg/l TCLP
		Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Mercury	7439-97-6	NA	0.025 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
		Selenium	7782-49-2	NA	5.7 mg/l TCLP
		Silver	7440-22-4	NA	0.14 mg/l TCLP
		Thallium	7440-28-0	NA	0.20 mg/l TCLP
		Zinc	7440-66-6	NA	4.3 mg/l TCLP
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332).	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Nickel	7440-02-0	3.98	NA



K069	Emission control dust/sludge from secondary lead smelting. - Calcium Sulfate (Low Lead) Subcategory	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
	Emission control dust/sludge from secondary lead smelting. - Non-Calcium Sulfate (High Lead) Subcategory	NA	NA	NA	RLEAD
K071	K071 (Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used) nonwastewaters that are residues from RMERC.	Mercury	7439-97-6	NA	0.20 mg/l TCLP
	K071 (Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.) nonwastewaters that are not residues from RMERC.	Mercury	7439-97-6	NA	0.025 mg/l TCLP
	All K071 wastewaters.	Mercury	7439-97-6	0.15	NA
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	Carbon tetrachloride	56-23-5	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Hexachloroethane	67-72-1	0.055	30
		Tetrachloroethylene	127-18-4	0.056	6.0
		1,1,1-Trichloroethane	71-55-6	0.054	6.0
K083	Distillation bottoms from aniline production.	Aniline	62-53-3	0.81	14

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	Benzene	71-43-2	0.14	10	<b>R</b>
	Cyclohexanone	108-94-1	0.36	NA	<b>A</b>
	Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	13	<b>F</b>
	Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13	<b>T</b>
	Nitrobenzene	98-95-3	0.068	14	
	Phenol	108-95-2	0.039	6.2	
	Nickel	7440-02-0	3.98	11 mg/l TCLP	
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.	Benzene	71-43-2	0.14	10
		Chlorobenzene	108-90-7	0.057	6.0
		m-Dichlorobenzene	541-73-1	0.036	6.0
		o-Dichlorobenzene	95-50-1	0.088	6.0
		p-Dichlorobenzene	106-46-7	0.090	6.0
		Hexachlorobenzene	118-74-1	0.055	10

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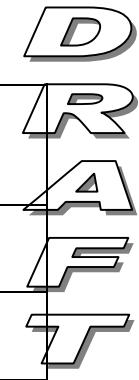
	Total PCBs (sum of all PCB isomers, or all Aroclors)	1336-36-3	0.10	10	<b>R</b>
	Pentachlorobenzene	608-93-5	0.055	10	<b>F</b>
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14	<b>T</b>
	1,2,4-Trichlorobenzene	120-82-1	0.055	19	
K086	Solvent wastes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.	Acetone	67-64-1	0.28	160
		Acetophenone	96-86-2	0.010	9.7
		bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
		n-Butyl alcohol	71-36-3	5.6	2.6
		Butylbenzyl phthalate	85-68-7	0.017	28
		Cyclohexanone	108-94-1	0.36	NA
		o-Dichlorobenzene	95-50-1	0.088	6.0
		Diethyl phthalate	84-66-2	0.20	28
		Dimethyl phthalate	131-11-3	0.047	28
		Di-n-butyl phthalate	84-74-2	0.057	28
		Di-n-octyl phthalate	117-84-0	0.017	28

	Ethyl acetate	141-78-6	0.34	33	D
	Ethylbenzene	100-41-4	0.057	10	R
	Methanol	67-56-1	5.6	NA	A
	Methyl ethyl ketone	78-93-3	0.28	36	F
	Methyl isobutyl ketone	108-10-1	0.14	33	T
	Methylene chloride	75-09-2	0.089	30	
	Naphthalene	91-20-3	0.059	5.6	
	Nitrobenzene	98-95-3	0.068	14	
	Toluene	108-88-3	0.080	10	
	1,1,1-Trichloroethane	71-55-6	0.054	6.0	
	Trichloroethylene	79-01-6	0.054	6.0	
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30	
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP	
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590	
	Lead	7439-92-1	0.69	0.75 mg/l TCLP	
K087	Decanter tank tar sludge from coking operations.	Acenaphthylene	208-96-8	0.059	3.4
	Benzene	71-43-2	0.14	10	
	Chrysene	218-01-9	0.059	3.4	

	Fluoranthene	206-44-0	0.068	3.4	<b>D</b>
	Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4	<b>R</b>
	Naphthalene	91-20-3	0.059	5.6	<b>A</b>
	Phenanthrene	85-01-8	0.059	5.6	<b>F</b>
	Toluene	108-88-3	0.080	10	<b>T</b>
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30	
	Lead	7439-92-1	0.69	0.75 mg/l TCLP	
K088	Spent potliners from primary aluminum reduction.	Acenaphthene	83-32-9	0.059	3.4
	Anthracene	120-12-7	0.059	3.4	
	Benz(a)anthracene	56-55-3	0.059	3.4	
	Benzo(a)pyrene	50-32-8	0.061	3.4	
	Benzo(b)fluor-anthene	205-99-2	0.11	6.8	
	Benzo(k)fluor-anthene	207-08-9	0.11	6.8	
	Benzo(g,h,i)-perylene	191-24-2	0.0055	1.8	
	Chrysene	218-01-9	0.059	3.4	
	Dibenz(a,h)-anthracene	53-70-3	0.055	8.2	
	Fluoranthene	206-44-0	0.068	3.4	
	Indeno(1,2,3-c,d)pyrene	193-39-5	0.0055	3.4	

	Penanthrene	85-01-8	0.059	5.6	D
	Pyrene	129-00-0	0.067	8.2	R
	Antimony	7440-36-0	1.9	1.15 mg/l TCLP	A
	Arsenic	7440-38-2	1.4	26.1 mg/kg	F
	Barium	7440-39-3	1.2	21 mg/l TCLP	T
	Beryllium	7440-41-7	0.82	1.22 mg/l TCLP	
	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP	
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP	
	Lead	7439-92-1	0.69	0.75 mg/l TCLP	
	Mercury	7439-97-6	0.15	0.025 mg/l TCLP	
	Nickel	7440-02-0	3.98	11.0 mg/l TCLP	
	Selenium	7782-49-2	0.82	5.7 mg/l TCLP	
	Silver	7440-22-4	0.43	0.14 mg/l TCLP	
	Cyanide (Total) <sup>7</sup>	57-12-5	1.2	590	
	Cyanide (Amenable) <sup>7</sup>	57-12-5	0.86	30	
	Fluoride	16984-48-8	35	NA	
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene.	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28

		Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28	D R A F T
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28	
		Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28	
K095	Distillation bottoms from the production of 1,1,1-trichloroethane.	Hexachloroethane	67-72-1	0.055	30	
		Pentachloroethane	76-01-7	0.055	6.0	
		1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0	
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0	
		Tetrachloroethylene	127-18-4	0.056	6.0	
		1,1,2-Trichloroethane	79-00-5	0.054	6.0	
		Trichloroethylene	79-01-6	0.054	6.0	
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.	m-Dichlorobenzene	541-73-1	0.036	6.0	
		Pentachloroethane	76-01-7	0.055	6.0	
		1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0	



		1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
		Tetrachloroethylene	127-18-4	0.056	6.0
		1,2,4-Trichlorobenzene	120-82-1	0.055	19
		1,1,2-Trichloroethane	79-00-5	0.054	6.0
		Trichloroethylene	79-01-6	0.054	6.0
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.	Chlordane (alpha and gamma isomers)	57-74-9	0.0033	0.26
		Heptachlor	76-44-8	0.0012	0.066
		Heptachlor epoxide	1024-57-3	0.016	0.066
		Hexachlorocyclopentadiene	77-47-4	0.057	2.4
K098	Untreated process wastewater from the production of toxaphene.	Toxaphene	8001-35-2	0.0095	2.6
K099	Untreated wastewater from the production of 2,4-D.	2,4-Dichlorophenoxyacetic acid	94-75-7	0.72	10
		HxCDDs (All Hexachlorodibenz-p-dioxins)	NA	0.000063	0.001
		HxCDFs (All Hexachlorodibenzofurans)	NA	0.000063	0.001
		PeCDDs (All Pentachlorodibenz-p-dioxins)	NA	0.000063	0.001
		PeCDFs (All Pentachlorodibenzofurans)	NA	0.000035	0.001

		TCDDs (All Tetrachlorodibenz-p-dioxins)	NA	0.000063	0.001
		TCDFs (All Tetrachlorodibenz-furans)	NA	0.000063	0.001
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	o-Nitroaniline	88-74-4	0.27	14
		Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Cadmium	7440-43-9	0.69	NA
		Lead	7439-92-1	0.69	NA
		Mercury	7439-97-6	0.15	NA
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	o-Nitrophenol	88-75-5	0.028	13
		Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Cadmium	7440-43-9	0.69	NA
		Lead	7439-92-1	0.69	NA

		Mercury	7439-97-6	0.15	NA
K103	Process residues from aniline extraction from the production of aniline.	Aniline	62-53-3	0.81	14
		Benzene	71-43-2	0.14	10
		2,4-Dinitrophenol	51-28-5	0.12	160
		Nitrobenzene	98-95-3	0.068	14
		Phenol	108-95-2	0.039	6.2
K104	Combined wastewater streams generated from nitrobenzene/ aniline production.	Aniline	62-53-3	0.81	14
		Benzene	71-43-2	0.14	10
		2,4-Dinitrophenol	51-28-5	0.12	160
		Nitrobenzene	98-95-3	0.068	14
		Phenol	108-95-2	0.039	6.2
		Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.	Benzene	71-43-2	0.14	10
		Chlorobenzene	108-90-7	0.057	6.0
		2-Chlorophenol	95-57-8	0.044	5.7
		o-Dichlorobenzene	95-50-1	0.088	6.0
		p-Dichlorobenzene	106-46-7	0.090	6.0
		Phenol	108-95-2	0.039	6.2

		2,4,5-Trichlorophenol	95-95-4	0.18	7.4
		2,4,6-Trichlorophenol	88-06-2	0.035	7.4
K106	K106 (wastewater treatment sludge from the mercury cell process in chlorine production) nonwastewaters that contain greater than or equal to 260 mg/kg total mercury.	Mercury	7439-97-6	NA	RMERC
	K106 (wastewater treatment sludge from the mercury cell process in chlorine production) nonwastewaters that contain less than 260 mg/kg total mercury that are residues from RMERC.	Mercury	7439-97-6	NA	0.20 mg/l TCLP
	Other K106 nonwastewaters that contain less than 260 mg/kg total mercury and are not residues from RMERC.	Mercury	7439-97-6	NA	0.025 mg/l TCLP
	All K106 wastewaters.	Mercury	7439-97-6	0.15	NA
K107	Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
K109	Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST

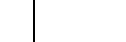


K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene	2,4-Dinitrotoluene	121-1-2	0.32	140
		2,6-Dinitrotoluene	606-20-2	0.55	28
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
K113	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	NA	NA	CARBN; OR CMBST	CMBST
K114	Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	NA	NA	CARBN; or CMBST	CMBST
K115	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	Nickel	7440-02-0	3.98	11 mg/l TCLP
		NA	NA	CARBN; or CMBST	CMBST
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.	NA	NA	CARBN; or CMBST	CMBST



K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.	Methyl bromide (Bromomethane)	74-83-9	0.11	15	R
		Chloroform	67-66-3	0.046	6.0	A
		Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15	F
K118	Spent absorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	Methyl bromide (Bromomethane)	74-83-9	0.11	15	T
		Chloroform	67-66-3	0.046	6.0	
		Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15	
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST	
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST	
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST	
K126	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST	



K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.	Methyl bromide (Bromomethane)	74-83-9	0.11	15	
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.	Methyl bromide (Bromomethane)	74-83-9	0.11	15	
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	Methyl bromide (Bromomethane)	74-83-9	0.11	15	
		Chloroform	67-66-3	0.046	6.0	
		Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15	
K141	Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludge from coking operations).	Benzene	71-43-2	0.14	10	
		Benz(a)anthracene	56-55-3	0.059	3.4	
		Benzo(a)pyrene	50-2-8	0.061	3.4	
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8	

		Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8	
		Chrysene	218-01-9	0.059	3.4	
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2	
		Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4	
K142	Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.	Benzene	71-43-2	0.14	10	
		Benz(a)anthracene	56-55-3	0.059	3.4	
		Benzo(a)pyrene	50-32-8	0.061	3.4	
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8	
		Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8	
		Chrysene	218-01-9	0.059	3.4	
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2	
		Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4	

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K143	Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluor-anthene (difficult to distinguish from benzo(k)fluor-anthene)	205-99-2	0.11	6.8
		Benzo(k)fluor-anthene (difficult to distinguish from benzo(b)fluor-anthene)	207-08-9	0.11	6.8
		Chrysene	218-01-9	0.059	3.4
K144	Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluor-anthene (difficult to distinguish from benzo(k)fluor-anthene)	205-99-2	0.11	6.8

		Benzo(k)fluor-anthene (difficult to distinguish from benzo(b)fluor-anthene)	207-08-9	0.11	6.8
		Chrysene	218-01-9	0.059	3.4
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Chrysene	218-01-9	0.059	3.4
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2
		Naphthalene	91-20-3	0.059	5.6
K147	Tar storage tank residues from coal tar refining.	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluor-anthene (difficult to distinguish from benzo(k)fluor-anthene)	205-99-2	0.11	6.8

		Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8	
		Chrysene	218-01-9	0.059	3.4	
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2	
		Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4	
K148	Residues from coal tar distillation, including, but not limited to, still bottoms.	Benz(a)anthracene	56-55-3	0.059	3.4	
		Benzo(a)pyrene	50-32-8	0.061	3.4	
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8	
		Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8	
		Chrysene	218-01-9	0.059	3.4	
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2	
		Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4	

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K149	Distillation bottoms from the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (This waste does not include still bottoms from the distillations of benzyl chloride.)	Chlorobenzene	108-90-7	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Chloromethane	74-87-3	0.19	30
		p-Dichlorobenzene	106-46-7	0.090	6.0
		Hexachlorobenzene	118-74-1	0.055	10
		Pentachlorobenzene	608-93-5	0.055	10
		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
		Toluene	108-88-3	0.080	10
K150	Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	Carbon tetrachloride	56-23-5	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Chloromethane	74-87-3	0.19	30

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	p-Dichlorobenzene	106-46-7	0.090	6.0	<b>R</b>
	Hexachlorobenzene	118-74-1	0.055	10	<b>A</b>
	Pentachlorobenzene	608-93-5	0.055	10	<b>F</b>
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14	<b>T</b>
	1,1,2,2-Tetrachloroethane	79-34-5	0.057	6.0	
	Tetrachloroethylene	127-18-4	0.056	6.0	
	1,2,4-Trichlorobenzene	120-82-1	0.055	19	
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	Benzene	71-43-2	0.14	10
	Carbon tetrachloride	56-23-5	0.057	6.0	
	Chloroform	67-66-3	0.046	6.0	
	Hexachlorobenzene	118-74-1	0.055	10	
	Pentachlorobenzene	608-93-5	0.055	10	
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14	
	Tetrachloroethylene	127-18-4	0.056	6.0	

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		Toluene	108-88-3	0.080	10
K156	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. <sup>10</sup>	Acetonitrile	75-05-8	5.6	1.8
		Acetophenone	98-86-2	0.010	9.7
		Aniline	62-53-3	0.81	14
		Benomyl	17804-35-2	0.056	1.4
		Benzene	71-43-2	0.14	10
		Carbaryl	63-25-2	0.006	0.14
		Carbenzadim	10605-21-7	0.056	1.4
		Carbofuran	1563-66-2	0.006	0.14
		Carbosulfan	55285-14-8	0.028	1.4
		Chlorobenzene	108-90-7	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		o-Dichlorobenzene	95-50-1	0.088	6.0
		Methomyl	16752-77-5	0.028	0.14
		Methylene chloride	75-09-2	0.089	30
		Methyl ethyl ketone	78-93-3	0.28	36
		Naphthalene	91-20-3	0.059	5.6

		Phenol	108-95-2	0.039	6.2	
		Pyridine	110-86-1	0.014	16	
		Toluene	108-88-3	0.080	10	
		Triethylamine	121-44-8	0.081	1.5	
K157	Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes.	Carbon tetrachloride	56-23-5	0.057	6.0	
		Chloroform	67-66-3	0.046	6.0	
		Chloromethane	74-87-3	0.19	30	
		Methomyl	16752-77-5	0.028	0.14	
		Methylene chloride	75-09-2	0.089	30	
		Methyl ethyl ketone	78-93-3	0.28	36	
		Pyridine	110-86-1	0.014	16	
		Triethylamine	121-44-8	0.081	1.5	
K158	Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes.	Benomyl	17804-35-2	0.056	1.4	
		Benzene	71-43-2	0.14	10	
		Carbenzadim	10605-21-7	0.056	1.4	
		Carbofuran	1563-66-2	0.006	0.14	



		Carbosulfan	55285-14-8	0.028	1.4
		Chloroform	67-66-3	0.046	6.0
		Methylene chloride	75-09-2	0.089	30
		Phenol	108-95-2	0.039	6.2
K159	Organics from the treatment of thiocarbamate wastes. <sup>10</sup>	Benzene	71-43-2	0.14	10
		Butylate	2008-41-5	0.042	1.4
		EPTC (Eptam)	759-94-4	0.042	1.4
		Molinate	2212-67-1	0.042	1.4
		Pebulate	1114-71-2	0.042	1.4
		Vernolate	1929-77-7	0.042	1.4
K161	Purification solids (including filtration, evaporation, and centrifugation solids), baghouse dust and floor sweepings from the production of dithiocarbamate acids and their salts.	Antimony	7440-36-0	1.9	<sup>11</sup> 1.15
		Arsenic	7440-38-2	1.4	<sup>11</sup> 5.0
		Carbon disulfide	75-15-0	3.8	<sup>11</sup> 4.8
		Dithiocarbamates (total)	137-30-4	0.028	28
		Lead	7439-92-1	0.69	<sup>11</sup> 0.75
		Nickel	7440-02-0	3.98	<sup>11</sup> 11
		Selenium	7782-49-2	0.82	<sup>11</sup> 5.7

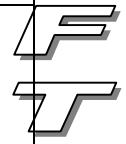
**D**

K169	Crude oil tank sediment from petroleum refining operations.	Benz(a)anthracene	56-55-3	0.059	3.4	<b>R</b>
		Benzene	71-43-2	0.14	10	<b>F</b>
		Benzo(g,h,i)-perylene	191-24-2	0.0055	1.8	<b>T</b>
		Chrysene	218-01-9	0.059	3.4	
		Ethyl benzene	100-41-4	0.057	10	
		Fluorene	86-73-7	0.059	3.4	
		Naphthalene	91-20-3	0.059	5.6	
		Phenanthrene	81-05-8	0.059	5.6	
		Pyrene	129-00-0	0.067	8.2	
		Toluene (Methyl Benzene)	108-88-3	0.080	10	
		Xylene(s) (Total)	1330-20-7	0.32	30	

**D**

K170	Clarified slurry oil sediment from petroleum refining operations.	Benz(a)anthracene	56-55-3	0.059	3.4	<b>R</b>
		Benzene	71-43-2	0.14	10	<b>F</b>
		Benzo(g,h,i)-perylene	191-24-2	0.0055	1.8	<b>T</b>
		Chrysene	218-01-9	0.059	3.4	
		Dibenz(a,h)-anthracene	53-70-3	0.055	8.2	
		Ethyl benzene	100-41-4	0.057	10	
		Fluorene	86-73-7	0.059	3.4	
		Indeno(1,2,3,-cd)-pyrene	193-39-5	0.0055	3.4	
		Naphthalene	91-20-3	0.059	5.6	
		Phenanthrene	81-05-8	0.059	5.6	
		Pyrene	129-00-0	0.067	8.2	

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		Toluene (Methyl Benzene)	108-88-3	0.080	10	
		Xylene(s)(Total)	1330-20-7	0.32	30	
K171	Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feed to other catalytic reactors (this listing does not include inert support media.).	Benz(a)anthracene	56-55-3	.059	34	
		Benzene	71-43-2	0.14	10	
		Chrysene	218-01-9	0.059	3.4	
		Ethyl benzene	100-41-4	0.057	10	
		Naphthalene	91-20-3	0.059	5.6	
		Phenanthrene	81-05-8	0.059	5.6	
		Pyrene	129-00-0	0.067	8.2	
		Toluene (Methyl Benzene)	108-88-3	0.080	10	

**D**

	Xylene(s) (Total)	1330-20-7	0.32	30	<b>R</b>
	Arsenic	7740-38-2	1.4	5 mg/l TCLP	<b>F</b>
	Nickel	7440-02-0	3.98	11.0 mg/l TCLP	<b>T</b>
	Vanadium	7440-62-2	4.3	1.6 mg/l TCLP	
	Reactive sulfides	NA	DEACT	DEACT	
K172	Spent hydrorefining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media.).	Benzene	71-43-2	0.14	10
	Ethyl benzene	100-41-4	0.057	10	
	Toluene (Methyl Benzene)	108-88-3	0.080	10	
	Xylene(s) (Total)	1330-20-7	0.32	30	
	Antimony	7740-36-0	1.9	1.15 mg/l TCLP	

**D**

Arsenic	7740-38-2	1.4	5 mg/l TCLP	<b>R</b>
Nickel	7440-02-0	3.98	11.0 mg/l TCLP	<b>F</b>
Vanadium	7440-62-2	4.3	1.6 mg/l TCLP	<b>T</b>
Reactive Sulfides	NA	DEACT	DEACT	